

ABSTRACT OF THE DISCLOSURE

A high-strength polyimide belt, specifically, a fixing belt which, for example, has the given strength, heat resistance, rigidity, and flexibility necessary for conveying a receiving material while pressing and heating unfixed toner images, and which is excellent in functions such as belt lubricity, toner fixability, and toner releasability. The fixing belt comprises a tubular object made of a polyimide resin and at least one functional layer superposed thereon, wherein the tubular object is molded by applying a polyimide precursor to a tubular mold, defoaming the precursor by centrifugal force, and then converting the precursor into an imide. In this belt, the thickness of the tubular polyimide resin object and functional layer or the buckling strength and tear strength of the belt preferably are within respective given ranges.